

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐

APPLICATION FOR PERMIT TO DRILL		1. WELL NAME and NUMBER NBU 922-36K4CS
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>		3. FIELD OR WILDCAT NATURAL BUTTES
4. TYPE OF WELL Gas Well Coalbed Methane Well: NO		5. UNIT or COMMUNITIZATION AGREEMENT NAME NATURAL BUTTES
6. NAME OF OPERATOR KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. OPERATOR PHONE 720 929-6515
8. ADDRESS OF OPERATOR P.O. Box 173779, Denver, CO, 80217		9. OPERATOR E-MAIL julie.jacobson@anadarko.com
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) ML-22650	11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	
12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>		13. NAME OF SURFACE OWNER (if box 12 = 'fee')
14. SURFACE OWNER PHONE (if box 12 = 'fee')		15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')
16. SURFACE OWNER E-MAIL (if box 12 = 'fee')		17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')
18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/>		19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	1804 FSL 2006 FWL	NESW	36	9.0 S	22.0 E	S
Top of Uppermost Producing Zone	1573 FSL 2146 FWL	NESW	36	9.0 S	22.0 E	S
At Total Depth	1573 FSL 2146 FWL	NESW	36	9.0 S	22.0 E	S


21. COUNTY UINTAH	22. DISTANCE TO NEAREST LEASE LINE (Feet) 1573	23. NUMBER OF ACRES IN DRILLING UNIT 640
24. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 165	25. PROPOSED DEPTH MD: 8646 TVD: 8629	
26. ELEVATION - GROUND LEVEL 4964	27. BOND NUMBER 22013542	28. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE Permit #43-8496

Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	11	8.625	0 - 2210	28.0	J-55 LT&C	0.2	Type V	180	1.15	15.8
							Class G	270	1.15	15.8
Prod	7.875	4.5	0 - 8646	11.6	I-80 LT&C	12.5	Premium Lite High Strength	280	3.38	11.0
							50/50 Poz	1170	1.31	14.3

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP

NAME Gina Becker	TITLE Regulatory Analyst II	PHONE 720 929-6086
SIGNATURE	DATE 05/14/2011	EMAIL gina.becker@anadarko.com
API NUMBER ASSIGNED 43047515930000	APPROVAL  Permit Manager	

**WELL LOCATION:
NBU 922-36K4CS**

ELEV. UNGRADED GROUND = 4964.4'

Well Surface Position

Bottom of Hole

Found 1977
Brass Cap.
Pile of Stones.

Found 1977
Brass Cap.
Pile of Stones.

Found 1977
Brass Cap. Pile of Stones & Steel Post.

Found 1977
Brass Cap.

Found 1977
Brass Cap. Pile of Stones.

N89°52'W - 39.65 (G.L.O.)
N89°54'55"W - 2617.00' (Meas.)

N89°42'W - 40.21 (G.L.O.)
N89°45'44"W - 2653.85' (Meas.)

N00°04'40"W - 2649.47' (Meas.)

N00°07'04"W (Basis of Bearings)

N00°05'W - 80.28 (G.L.O.)

N00°14'31"W - 2642.77' (Meas.)

N00°12'W - 80.08 (G.L.O.)

N00°15'08"W - 2642.59' (Meas.)

S89°57'57"E - 2632.32' (Meas.)
S89°58'E - 39.89 (G.L.O.)

S89°59'27"E - 2652.24' (Meas.)
S89°57'E - 40.19 (G.L.O.)

2648.72' (Measured)

2006'

2146'

1804'

1573'

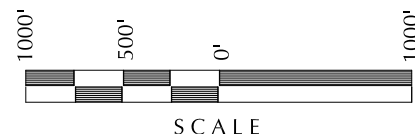
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1. Well footages are measured at right angles to the Section Lines.
2. G.L.O. distances are shown in feet or chains.
1 chain = 66 feet.
3. The Bottom of hole bears S31°13'16"E 269.91' from the Surface Position.
4. Bearings are based on Global Positioning Satellite observations.
5. Basis of elevation is Tri-Sta "Two Water" located in the NW $\frac{1}{4}$ of Section 1, T10S, R21E, S.L.B.&M. The elevation of this Tri-Sta is shown on the Big Pack Mtn NE 7.5 Min. Quadrangle as being 5238'.


1573' FSL, 2146' FWL (Bottom Hole)
NE $\frac{1}{4}$ SW $\frac{1}{4}$ OF SECTION 36, T9S, R22E,
S.L.B.&M., UINTAH COUNTY, UTAH.



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THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



DATE SURVEYED: 11-09-10	SURVEYED BY: R.Y.	SHEET NO: <div style="font-size: 2em; font-weight: bold; text-align: center;">3</div> 3 OF 17
DATE DRAWN: 11-12-10	DRAWN BY: B.M.	
SCALE: 1" = 1000'	Date Last Revised: 12-15-10 F.M.S.	